

**Minutes for Rule 21 Working Group Meeting #58  
September 15, 2004  
San Diego Gas & Electric**

There were 30 Working Group members in attendance. The next Meeting of the Working Group is scheduled for September 29 at the CEC headquarters in Sacramento.

Scott Tomashefsky, Chair

Pat	Aldridge	SCE	Ken	Parks	SDG&E
Tom	Blair	City of San Diego	Robert	Patrick	Valley Air
Werner	Blumer	CPUC/ED	Edan	Prabhu	Reflective
Petrina	Burnham	SDG&E	Dave	Redding	Riverside Pub Util
Bill	Cook	SDG&E	Jim	Ross	CAC/EPUC
George	Couts	SCE	Laura	Rudison	SCE
Michael	Edds	DG Energy Solutions	Nora	Sheriff	CAC/EPUC
Jeff	Goh	PG&E	Joe	Simpson	Joe Simpson
Mike	Iammarino	SDG&E	Richard	Smith	SDG&E
Karl	Iliev	SDG&E	Chuck	Solt	Lindh & Assoc
Jerry	Jackson	PG&E	Chuck	Sorter	BluePoint Energy
Scott	Lacy	SCE	Gerome	Torribio	SCE
Robin	Luke	RealEnergy	Dan	Tunncliff	SCE
Mike	Mazur	3 Phases Ergy Services	Mohamma	Vaziri	PG&E
Randy	Minnier	MPE Consulting	Chuck	Whitaker	Endecon Engrg

**Advice Letter Progress and Status**

All of the technical issues related to the Advice Letters were resolved at the last meeting. Since then, there was a conference call meeting with all 3 utilities and Werner Blumer of CPUC/ED. In that meeting, a "Grand Reconciliation" version of the Advice Letters was created. Pat Aldridge of SCE kept track of changes, and is now the custodian of the Grand Reconciliation. She will forward that to Chuck Solt who will make general distribution to the Working Group.

SDG&E and SCE will amend their Advice Letters and PG&E will file theirs as soon as they have reviewed the final version.

City of SD has protested SDG&E Advice Letter. A copy of the protest is being distributed with these minutes. The protest will have to be resolved before the CPUC can issue the Tariffs for each of the 3 utilities. It was suggested that if San Diego could amend their protest to delete the last item, the Advice Letters could move forward. Tom Blair of the City of San Diego indicated he would look into the suggestion and see if San Diego can comply.

The utilities will file separate Advice Letters for approval of the revised Rule 21 Application form as soon as final changes are resolved.

**CRS Quarterly Data Reports (Per CPUC Resolution E-3831)**

Scott Tomashefsky has approached the PUC indicating that the Rule 21 Working Group feels the CRS Quarterly Reports required by the PUC are not necessary, because the DG Status Reports prepared by each utility to the Working Group contain the same information. He will continue to pursue this issue with them. In the meantime, PG&E and SCE filed their model reports with PUC as required in E-3831. SDG&E feels that is not necessary to file such a model report.

### **Final Focus II DG Monitoring Report**

In late August, the draft final report for the DG Monitoring Program was given to the Working Group for its review. At the August 31 meeting, several utilities indicated their intent to provide comments and it was requested they reply by September 13. A reminder was sent on September 14. SDG&E sent draft comments on September 14.. PG&E and SDG&E plan to provide comments by Sept. 27.

### **Supplemental Review Guideline**

This document has been revised to incorporate the consensus wording on Inadvertent Export. A final version was forwarded to the technical committee prior to the meeting. A version showing changes from the prior version (posted in Dec 2002) will be distributed..

### **Proposed Section I screen names (change from questions to titles):**

[Technical Group] After months of debating the wording for the export screen question—which only served to add to the growing list of possible questions—an idea was put forward at the previous meeting to change the screen questions in Section I into titles. The group had been spending an inordinate amount of time trying to hone screen questions, when the discussion should have focused on the content of the screen itself. Technical group members felt that this was a reasonable approach, and would refocus the discussion on the important issues. The simplified screen titles based on the existing question are:

- Screen 1: Network Secondary Systems
- Screen 2: Export
- Screen 3: Certified Equipment
- Screen 4: Line Section
- Screen 5: Starting Voltage Drop
- Screen 6: Gross Nameplate Rating
- Screen 7: Short Circuit Current Contribution Ratio
- Screen 8: Line Configuration

The new titles will also require changes to the format and text of the screens, and could also lead to simplifications in the flow chart.

### **Discuss latest input on Export Issue**

[Technical Group] Karl Iliev had forwarded changes to his Export Screen document to a small group. The changes were discussed in the Technical Group.

## **DG OIR (R.04-03-017) Action item review**

Working Group meeting No. 58 focused primarily with two items from the Scoping Order: *Generator Net Metering Issues* and *Net Metering for Systems with “Combined” Technologies*.

### *Generator Net Metering*

Nora Sheriff had created a new draft of an earlier white paper. This was distributed to the Working Group before the meeting and served as the basis of discussion. The document was modified during the meeting and the markup is being distributed to the Working Group with these minutes. Pat Aldridge and Dan Tunncliff will prepare a list of legal or regulatory requirements that require Generator Net metering. Dan will take custody of this Sheriff White Paper for the next two weeks while Nora is out of the country. She returns Sept. 28, and will be at the meeting on Sept. 29.

Randy Minnier will draft a paper that summarizes the range of such Generator Net Metering costs.

### *Net Metering for Systems with “Combined” Technologies.*

Gerry Torribio and Mike Iammarino drafted a white paper on issues related to Net Metering with “combined” technologies or systems . The markup of this paper is being distributed to the Working Group with the minutes. Tom Blair will write a new paragraph for systems that have continuous intentional export (attached).

### *Interconnection Fees/Costs*

Gerry Torribio prepared a draft data collection form to collect Interconnection costs and/or fees.. The issue will be on the agenda for the September 29 meeting.

Edan Prabhu has prepared and distributed a proposed solution to charge applicants for incomplete applications and repeat field inspections, that currently cost the utilities a lot of money. This draft was not discussed at the meeting, but comments were requested.

### *Dispute Resolution Process*

No action was taken on this issue at Meeting 58.

### *Interconnection Rules for Network Systems*

Chuck Whitaker will be attending a workshop in Massachusetts on behalf of the Working Group. The workshop is to develop a process for Massachusetts.

**The Technical Group developed a plan outline for dealing with DG Interconnection on Network Systems**

#### **Basic Objectives:**

- Define the issues
- Determine general requirements
- Determine requirements for simplified interconnection
- Develop Supplemental Review pathways.

#### **Tasks:**

1. Develop definitions, characteristics, and design philosophies for different types of networks to provide a common basis of understanding (DUIT report will be out for review by the end of the month)
2. Identify network systems in CA
  - Location
  - Physical characteristics
3. Identify the stakeholders nationwide who may be able to provide information
  - Utilities with network systems
  - DG suppliers
  - Customers on network systems who may be interested in DG
  - Regulators
  - Network equipment providers and other experts
4. Identify and Investigate other Projects and sources of documentation
  - DUIT proposed Network meeting and Network-related testing
  - Mass Tech Collaborative
  - PG&E white paper
  - IEEE 1547
  - Manufacturer data sheets/white papers
5. Identify and investigate the availability of other Rules and requirements
6. Identify and investigate existing DR on networks
7. Identify problems and solutions
  - Experience from utilities
  - Experience from system integrators
8. Investigate costs

Moh Vaziri and Jeff Goh offered to develop an introductory paragraph addressing the OII questions and describing the above outline

**To Do List:**

- Dan T and Pat A to prepare a list of legal and regulatory requirements for metering on DG systems. Due 9/25
- Randy M to prepare a memo on the incremental cost to provide a metering system to meet utility standards. Due 9/24
- Moh V and Jeff G to write a paragraph for the outline for Network Systems. Due 9/24

**Attachments:**

- City of San Diego Protest to the Advice Letter
- Grand Reconciliation of the revised Rule 21
- SDG&E Draft comments on the Focus II DG Monitoring Final Report
- Nora S Document on the DG Metering requirements issue
- Gerry T/Mike I Document on Net Metering for Systems with “Combined” Technologies
- Gerry T Form for cost data collection
- Tom Blair’s new Paragraph C 3 for the discussion paper on NEM for combined systems.